SEQUENCE LISTING

<110> OSTERMEIER, MARK

<120> MOLECULAR SWITCHES AND METHODS FOR MAKING AND USING THE SAME

<130> 56908 (71699)

<140> 10/507,466
<141> 2004-09-10

<150> PCT/US03/07380
<151> 2003-03-10

<150> 60/362,588
<151> 2002-03-11

<160> 41

<170> PatentIn Ver. 3.3

<210> 1
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic linker sequence

<400> 1
Gly Ser Gly Gly
1

<210> 2
<211> 37
<212> PRT
<213> Homo sapiens

<400> 2
Pro Asn Lys Gly Ser Gly Thr Thr Ser Gly Thr Thr Arg Leu Leu Ser
1 5 10 15

Gly His Thr Cys Phe Thr Leu Thr Gly Leu Leu Gly Thr Leu Val Thr
20 25 30

Met Gly Leu Leu Thr
35

<210> 3
<211> 14
<212> PRT
<213> Unknown Organism

<220>
<223> Description of Unknown Organism: Myristylation
src amino acid sequence

<400> 3
Met Gly Ser Ser Lys Ser Lys Pro Lys Asp Pro Ser Gln Arg
1 5 10

<210> 4
<211> 25
<212> PRT
<213> Unknown Organism

<220>
<223> Description of Unknown Organism: Palmitoylation GRK6
amino acid sequence

<400> 4
Leu Leu Gln Arg Leu Phe Ser Arg Gln Asp Cys Cys Gly Asn Cys Ser
1 5 10 15

Asp Ser Glu Glu Glu Leu Pro Thr Arg
20 25

<210> 5
<211> 7
<212> PRT
<213> Monkey virus

<400> 5
Pro Lys Lys Lys Lys Lys Val
1 5

<210> 6
<211> 6
<212> PRT
<213> Homo sapiens

<400> 6
Ala Arg Arg Arg Arg Pro
1 5

<210> 7
<211> 10
<212> PRT
<213> Unknown Organism

<220>
<223> Description of Unknown Organism: NF kB p50 amino
acid sequence

<400> 7
Glu Glu Val Gln Arg Lys Arg Gln Lys Leu
1 5 10

<210> 8
<211> 9
<212> PRT
<213> Unknown Organism

<220>
<223> Description of Unknown Organism: NF kB p65 amino acid sequence

<400> 8
Glu Glu Lys Arg Lys Arg Thr Tyr Glu
1 5

<210> 9
<211> 21
<212> PRT
<213> Unknown Organism

<220>
<223> Description of Unknown Organism: Nucleoplasmin amino acid sequence

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Ala Val Lys Arg Pro Ala Ala Thr Leu Lys Lys Ala Gly Gln Ala Lys
1 5 10 15

Lys Lys Lys Leu Asp
20

<210> 10
<211> 5
<212> PRT
<213> Homo sapiens

<400> 10
Lys Phe Glu Arg Gln
1 5

<210> 11
<211> 36
<212> PRT
<213> Homo sapiens

<400> 11
Met Leu Ile Pro Ile Ala Gly Phe Phe Ala Leu Ala Gly Leu Val Leu
1 5 10 15

Ile Val Leu Ile Ala Tyr Leu Ile Gly Arg Lys Arg Ser His Ala Gly
20 25 30

Tyr Gln Thr Ile
35

<210> 12
<211> 35
<212> PRT
<213> Homo sapiens

<400> 12
Leu Val Pro Ile Ala Val Gly Ala Ala Leu Ala Gly Val Leu Ile Leu
1 5 10 15

Val Leu Leu Ala Tyr Phe Ile Gly Leu Lys His His His Ala Gly Tyr
20 25 30

Glu Gln Phe
35

<210> 13
<211> 27
<212> PRT
<213> Saccharomyces sp.

<400> 13
Met Leu Arg Thr Ser Ser Leu Phe Thr Arg Arg Val Gln Pro Ser Leu
1 5 10 15

Phe Ser Arg Asn Ile Leu Arg Leu Gln Ser Thr
20 25

<210> 14
<211> 25
<212> PRT
<213> Saccharomyces sp.

<400> 14
Met Leu Ser Leu Arg Gln Ser Ile Arg Phe Phe Lys Pro Ala Thr Arg
1 5 10 15

Thr Leu Cys Ser Ser Arg Tyr Leu Leu
20 25

<210> 15
<211> 64
<212> PRT
<213> Saccharomyces sp.

<400> 15
Met Phe Ser Met Leu Ser Lys Arg Trp Ala Gln Arg Thr Leu Ser Lys
1 5 10 15

Ser Phe Tyr Ser Thr Ala Thr Gly Ala Ala Ser Lys Ser Gly Lys Leu
20 25 30

Thr Gln Lys Leu Val Thr Ala Gly Val Ala Ala Ala Gly Ile Thr Ala
35 40 45

Ser Thr Leu Leu Tyr Ala Asp Ser Leu Thr Ala Glu Ala Met Thr Ala
50 55 60

<210> 16
<211> 41
<212> PRT
<213> Saccharomyces sp.

<400> 16
Met Lys Ser Phe Ile Thr Arg Asn Lys Thr Ala Ile Leu Ala Thr Val
1 5 10 15

Ala Ala Thr Gly Thr Ala Ile Gly Ala Tyr Tyr Tyr Tyr Asn Gln Leu
20 25 30

Gln Gln Gln Gln Gln Arg Gly Lys Lys
35 40

<210> 17
<211> 4
<212> PRT
<213> Unknown Organism

<220>
<223> Description of Unknown Organism: Protein sequence
from calreticulin

<400> 17
Lys Asp Glu Leu
1

<210> 18
<211> 15
<212> PRT
<213> Human adenovirus

<400> 18
Leu Tyr Leu Ser Arg Arg Ser Phe Ile Asp Glu Lys Lys Met Pro
1 5 10 15

<210> 19
<211> 20
<212> PRT
<213> Homo sapiens

<400> 19
Met Tyr Arg Met Gln Leu Leu Ser Cys Ile Ala Leu Ser Leu Ala Leu
1 5 10 15

Val Thr Asn Ser
20

<210> 20
<211> 29
<212> PRT
<213> Homo sapiens

<400> 20
Met Ala Thr Gly Ser Arg Thr Ser Leu Leu Leu Ala Phe Gly Leu Leu
1 5 10 15

Cys Leu Pro Trp Leu Gln Glu Gly Ser Ala Phe Pro Thr
20 25

<210> 21
<211> 27
<212> PRT
<213> Homo sapiens

<400> 21
Met Ala Leu Trp Met Arg Leu Leu Pro Leu Leu Ala Leu Leu Ala Leu
1 5 10 15

Trp Gly Pro Asp Pro Ala Ala Ala Phe Val Asn
20 25

<210> 22
<211> 18
<212> PRT
<213> Influenza virus

<400> 22
Met Lys Ala Lys Leu Leu Val Leu Leu Tyr Ala Phe Val Ala Gly Asp
1 5 10 15

Gln Ile

<210> 23
<211> 24
<212> PRT
<213> Homo sapiens

<400> 23
Met Gly Leu Thr Ser Gln Leu Leu Pro Pro Leu Phe Phe Leu Leu Ala
1 5 10 15

Cys Ala Gly Asn Phe Val His Gly
20

<210> 24
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic linker

<400> 24
Gly Gly Gly Ser
1

<210> 25
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic linker

<400> 25
Ser Gly Gly Gly
1

<210> 26
<211> 12
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 26
ggtggtggca gc 12

<210> 27
<211> 12
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 27
agcggtggcg gc 12

<210> 28
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic linker

<400> 28
Gly Ser Gly Gly Gly Ser Gly Gly
1 5

<210> 29
<211> 35
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 29
gccttcagat ctcttctcac ccagaaacgc tggtg 35

<210> 30
<211> 35
<212> DNA
<213> Artificial Sequence

<220>
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<400> 30
tcactgatta agcattggtg aagagatctg gttca 35

<210> 31
<211> 35
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 31
caccagcgtt tctgggtgag aagagatctg aaggc 35

<210> 32
<211> 35
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 32
tgaaccagat ctcttcactt ggtgatacga gtctg 35

<210> 33
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 33
cacccagaaa cgctggtg 18

<210> 34
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 34
tcactgatta agcat 15

<210> 35
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 35
caccagcgtt tctgg 15

<210> 36
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 36
cttggtgata cgagtctg 18

<210> 37
<211> 18
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<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 37
tcactgatta agcataag 18

<210> 38
<211> 18
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<220>
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<400> 38
caccagcgtt tctgggtg 18

<210> 39
<211> 7
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<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 39
ctgatcc 7

<210> 40
<211> 10
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 40
gagacggcga 10

<210> 41
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide construct

<400> 41
ctgatcgcta ggagacggtg c 21